

Experiment Number: A76067

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/TGAC (FVB/N) HEMIZYGOUS

G04: In Vivo Micronucleus Summary Data

Test Compound: Pentaerythritol triacrylate

CAS Number: 3524-68-3

Date Report Requested: 09/21/2018

Time Report Requested: 04:09:18

NTP Study Number:

A76067

Study Duration:

26 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Equivocal

Female Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 130; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	12	0.58 ± 0.17	
0.75	14	0.50 ± 0.14	0.6585
1.5	15	0.63 ± 0.16	0.4076
3.0	15	0.73 ± 0.16	0.2511
6.0	12	0.96 ± 0.17	0.0694
12.0	10	1.15 ± 0.36	0.0206
Trend p-Value		0.0010 *	

Trial Summary: Equivocal

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Tissue: Blood; Sex: Female; Number of Treatments: 130; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	12	0.75 ± 0.21	
0.75	14	0.61 ± 0.16	0.7344
1.5	12	0.88 ± 0.21	0.3154
3.0	12	1.04 ± 0.13	0.1428
6.0	13	1.96 ± 0.31	< 0.001 *
12.0	9	2.28 ± 0.49	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

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LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean \pm Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at $p = 0.025/\text{number of treatment groups}$; positive control value is significant at $p = 0.05$

Cochran-Armitage trend test, significant at $p = 0.025$

* Statistically significant pairwise or trend test

1: Vehicle Control: Acetone

**** END OF REPORT ****